What is Claimed:

1. A computer-implemented method of reassigning jobs in a manufacturing system, comprising:

receiving status data relating to a first manufacturing machine scheduled to perform a job;

determining whether the status data indicates the first manufacturing machine is unavailable to perform the job; and

if the status data indicates the first manufacturing machine is unavailable, identifying a second manufacturing machine operable to perform the job, and reassigning the job from the first manufacturing machine to the second manufacturing machine.

2. The method of claim 1, wherein receiving status data relating to a first manufacturing machine comprises receiving data indicating the first manufacturing machine is malfunctioning.

3. The method of claim 1, wherein determining whether the status data indicates the first manufacturing machine is unavailable to perform the job comprises determining the first manufacturing machine is malfunctioning.

4. The method of claim 1, wherein determining whether the status data indicates the first manufacturing machine is unavailable comprises querying a database to determine a meaning for the status data.

5. The method of claim 1, wherein identifying a second manufacturing machine operable to perform the job comprises querying a database for a machine operable to perform the job.

6. The method of claim 1, wherein reassigning the job from the first manufacturing machine to the second manufacturing machine comprises transmitting instructions to schedule the job for performance at the second manufacturing machine.

7. The method of claim 1, further comprising transmitting instructions to update a schedule to indicate the job has been reassigned from the first manufacturing machine to the second manufacturing machine.

8. The method of claim 1, further comprising determining whether the status data indicates the first manufacturing machine is available.

9. The method of claim 8, wherein determining whether the status data indicates the first manufacturing machine is operable to perform the job.

10. The method of claim 8, further comprising reassigning the job from the second manufacturing machine to the first manufacturing machine.

11. The method of claim 10, wherein reassigning the job from the second manufacturing machine to the first manufacturing machine comprises transmitting instructions to schedule the job for performance at the first manufacturing machine.

12. The method of claim 10, further comprising transmitting instructions to update a schedule to indicate the job has been reassigned from the second manufacturing machine to the first manufacturing machine.

13. A computer-implemented method of reassigning manufacturing jobs in a manufacturing system, comprising:

maintaining a database identifying characteristics of a plurality of manufacturing machines;

receiving notification that a first manufacturing machine is unavailable to perform a manufacturing job;

querying the database to identify a second manufacturing machine operable to perform the manufacturing job; and

rescheduling the job to be performed by the first manufacturing machine to the second manufacturing machine.

14. The method of claim 13, wherein maintaining a database identifying characteristics of a plurality of manufacturing machines comprises maintaining a database comprising data specifying the functional capabilities of a plurality of manufacturing machines.

15. The method of claim 13, wherein receiving notification that first manufacturing machine is unavailable to perform a manufacturing job comprises receiving data indicating the first manufacturing machine is malfunctioning.

16. The method of claim 13, wherein querying the database to identify a second manufacturing machine comprises querying to identify a manufacturing machine having substantially same manufacturing capabilities as the first manufacturing machine.

17. The method of claim 13, wherein rescheduling the job to be performed by the first manufacturing machine to the second comprises updating scheduling data to reflect the job to be performed by the second manufacturing machine.

18. The method of claim 13, wherein receiving notification that a first manufacturing machine is unavailable to perform a manufacturing job comprises receiving notification that a first manufacturing machine is malfunctioning.

19. A system for rescheduling manufacturing jobs, comprising:

a database comprising data regarding the characteristics of a plurality of manufacturing machines; and

a server communicatively coupled to said database, said server adapted to receive notification that a first manufacturing machine is unavailable to perform a job scheduled to be performed by the first manufacturing machine, query said database to identify a second manufacturing machine available to perform the job, and reschedule the job to be performed by the second manufacturing machine.

20. The system of claim 19, further comprising a scheduling and planning agent communicatively coupled to said server, wherein said server reschedules the job to be performed by the second manufacturing machine by transmitting a request to reschedule the job to said scheduling and planning agent.